Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/26/2017 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124043	-1	1.76	123936	1.72
Blue	F	SSC	125000	122673	-2	3.24	122966	2.99
Blue	E	FITC	23615	22787	-4	2.81	1015	10.56
Blue	D	PE	26739	26214	-2	2.38	943	10.34
Blue	B	PerCP-Cy5-5	48339	47154	-3	3.76	1348	17.36
Blue	A	PE-Cy7	45021	44757	-1	5.41	685	36.71
Red	C	APC	53064	51303	-4	2.94	2965	9.91
Red	A	APC-Cy7	57175	55789	-3	2.96	1161	11.64
Violet	B	V450	14728	14076	-5	4.96	677	9.43
Violet	A	V500	58621	56921	-3	4.79	2525	6.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19420	2.55	611	-3	N/A	N/A	Pass
Blue	F	SSC	60495	1.95	549	3	N/A	N/A	Pass
Blue	E	FITC	114	40.90	550	2	0.0201	235	Pass
Blue	D	PE	206	30.22	540	4	0.1440	232	Pass
Blue	B	PerCP-Cy5-5	209	46.62	637	2	0.0097	106	Pass
Blue	A	PE-Cy7	74	124.85	696	3	0.0113	19	Pass
Red	C	APC	346	28.29	603	6	0.0182	18	Pass
Red	A	APC-Cy7	127	42.36	586	6	0.0051	1718	Pass
Violet	B	V450	82	43.18	475	5	0.0484	2169	Pass
Violet	A	V500	183	25.14	503	6	0.0167	1438	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.88	-31.42	0.80
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	16.76	13.27 - 19.91	N/A	N/A	31.55	32.03	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11409

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments